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| A Compact 10 Meter Mobile (Garon, W6CQU)   | 46 July  |
| A Compact 40 Watt Rig for Car or Field (Lewis, W8MQU)  | 56 July  |
| A Miniature H-F Portable Transmitter-Receiver (Kirchhoff, W2FAR & Bulkley, W2QUJ)              | 52 Sept. |
| A Mobile Low-Power 10 Meter Rig (Stratman)   | 49 May   |
| An Easy-to-Build 10 Meter Rig (Johnson, WØLBV)   | 56 Jan.  |
| An Unusual Phone Transmitter (Perthel, W9MWD)  | 54 Aug.  |
| A Small Rig with Plenty of Power (Wortman, W2LJU)  | 58 May   |
| A 2 Meter Transmitter-Receiver for Civil Defense Operation (Kirchhoff, W2FAR & Bulkley, W2QUJ) | 45 Aug.  |
| A Unitized Band-Switching Transmitter (Hays, W6RTP)  | 56 Mar.  |
| 100 Watts on the Table (Drenner, WØLQS)  | 43 June  |
| 160 Meter Rig Using Clamp Tube Modulator (Johnson, WØLBV)                                      | 41 Aug.  |

**AM-FM**

**MISCELLANEOUS**

- |  |          |
|--|----------|
| A High-Frequency Double Conversion Superhet for I.F. Frequencies Above 500 kc. (Lingel, W2ZGY) | 82 Sept. |
| A Miniature H-F Portable Transmitter-Receiver (Kirchhoff, W2FAR & Bulkley, W2QUJ)              | 52 Sept. |
| A New FM Communications Tuner (Smith)  | 46 Sept. |
| A Sensitive 88-108 mc. R.F. Tuner for FM (Finkbeiner)  | 59 Dec.  |
| A 2 Meter Transmitter-Receiver for Civil Defense Operation (Kirchhoff, W2FAR & Bulkley, W2QUJ) | 45 Aug.  |
| A 2-Tube Portable Receiver (Krauss)  | 38 Nov.  |
| Automatic Noise Limiters with Biased Detectors (Cohn)  | 46 Oct.  |
| Build This Low-Cost FM Receiver (Clemens, W8ERN)   | 50 Aug.  |
| Low Cost Vest Pocket Radio Receiver (Coppin)   | 43 Mar.  |
| The 6BN6 Gated-Beam Tube (Kauke)   | 42 Oct.  |
| TV Consolette Incorporates Compact AM Tuner (Kleidcn)  | 59 July  |

**SERVICING**

- |  |          |
|--|----------|
| Helpful Hints on Servicing A.C.-D.C. Sets (Lucas)          | 60 Apr.  |
| Mac's Radio Service Shop (Frye)                            | 61 Jan.  |
| Mac's Radio Service Shop (Frye)                            | 61 Feb.  |
| Mac's Radio Service Shop (Frye)                            | 60 Mar.  |
| Mac's Radio Service Shop (Frye)                            | 61 Apr.  |
| Mac's Radio Service Shop (Frye)                            | 66 May   |
| Mac's Radio Service Shop (Frye)                            | 64 June  |
| Mac's Radio Service Shop (Frye)                            | 58 July  |
| Mac's Radio Service Shop (Frye)                            | 59 Aug.  |
| Mac's Radio Service Shop (Frye)                            | 65 Sept. |
| Mac's Radio Service Shop (Frye)                            | 70 Oct.  |
| Mac's Radio Service Shop (Frye)                            | 69 Nov.  |
| Mac's Radio Service Shop (Frye)                            | 71 Dec.  |
| Servicing A.C.-D.C. Sets Profitably (Hiner)                | 42 Dec.  |
| Repair That Specker (LaFarral)                             | 38 Sept. |
| Sweep Alignment in AM Receiver Servicing (Part 1) (Rhodes) | 40 June  |
| Sweep Alignment in AM Receiver Servicing (Part 2) (Rhodes) | 43 July  |
| Tube Substitutions in Home Receivers (Chertock)            | 38 Mar.  |

**AUDIO**

**AMPLIFIERS**

- |   |         |
|---|---------|
| A High-Quality Audio System (Sterling & Sobel)  | 39 Mar. |
| An Audio Amplifier with "Presence" (Southworth) | 48 Nov. |
| An Improved Equalizer-Preamp (Boegli)           | 46 Apr. |

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RADIO & TELEVISION NEWS

A Preamp with Tone Control (Southworth)	58 Jan.
A 300-B Amplifier with Feedback Driver (Sterling)	52 Aug.
Quality Amplifier for TV Sound (Fleming)	44 May
Selecting Your Amplifier (Newcomb)	51 Nov.
The "Childs" Custom-Built Amplifier (Childs)	37 July

#### MISCELLANEOUS

A Corner Labyrinth Transducer (Fulmer)	42 Nov.
A High-Quality Audio System (Sterling & Sobel)	39 Nov.
An Improved Equalizer-Preamp (Boegli)	46 Apr.
A Nondirectional Corner Speaker (Post)	55 Jan.
A Novel Horn-Loaded Speaker (Johnson)	63 Sept.
A Practical Approach to Negative Feedback (Parker)	68 Jan.
A Simulated Echo Chamber (Michels)	47 Nov.
Audio Modulation Tests (Southworth)	52 June
Audio Simplified (Part 1) (Fidelman)	48 Sept.
Audio Simplified (Part 2) (Fidelman)	59 Oct.
Audio Simplified (Part 3) (Fidelman)	59 Nov.
Audio Simplified (Part 4) (Fidelman)	55 Dec.
A Vacuum-Tube Transformer (Dorf)	112 Feb.
Cabinets for High-Quality Direct Radiator Loudspeakers (Olson)	53 May
Distortion Measurements Without Tubes (Fleming)	46 Mar.
Impedance Matching for Multiple Speaker Installations (Newcomb)	58 Dec.
Loudness and Power in Audio Systems (Mitchell)	52 Feb.
Loudspeaker Considerations at Low Frequencies (Headley)	52 Dec.
Practical Sound Engineering (Part 1) (Tremaine)	52 Mar.
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Practical Sound Engineering (Part 9) (Tremaine)	72 Nov.
Practical Sound Engineering (Part 10) (Tremaine)	72 Dec.
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Splitting Pads (Carmichael)	56 Apr.

#### PHONO

There's Money in Cartridge Replacements (Harper)	51 Feb.
Wide Range Capacity Phonograph Pickup (Weathers)	40 Nov.

#### RECORDING

A Combination Phonograph-Tape Recorder (Hust)	43 Nov.
Adapt Your Amplifier for Magnetic Recording (Hust)	64 May
A Flexible Record-Reproduce System (Part 2) (Read)	47 Jan.
A Flexible Record-Reproduce System (Part 3) (Read)	62 Feb.
Versatile Equipment Key to Good Recording (Miller)	35 Apr.

#### TONE CONTROLS

An Improved Tone Control Circuit (Szabo)	86 Sept.
A Preamp with Tone Control (Southworth)	58 Jan.
The Degenerative Tone Control (Boegli)	58 June

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TV Master Antenna Systems (Kamen & Dorf) .....	143 June
UHF Television and VHF-UHF Tuners (Noll) .....	135 Aug.
Vacuum-Tube Voltmeters (Rider) ...	72 July
Wireless Servicing Manual (Cocking) .....	149 May

## BUSINESS MANAGEMENT

A Modern Service Center (Farr) ...	33 Aug.
An Electronic Advertising Display (Finke, W9ABK) .....	60 June
Custom-Built for Profit (Ellis) .....	46 Jan.
Do You Want More Business? (Kranhold) .....	35 Sept.
How Do You Figure Your Service Charges? (Ashe) .....	48 May
Is the One Man TV Shop Doomed? (Wendel) .....	40 Feb.
Pick Up Those Profits from Portables (Bergschn) .....	35 June
Radio-TV Service Industry News...160	Jan.
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Sales Aids (Becker, H.) .....	68 Oct.
Ten Tips to Tax Thrift (Merish) .....	65 Feb.
The Ad-Viser (Part 5) (Settel) .....	112 Jan.
The Ad-Viser (Part 6) (Settel) .....	144 Feb.
The Ad-Viser (Part 7) (Settel) .....	164 Mar.
There's Money in Cartridge Replacements (Horper) .....	51 Feb.
TV Servicing is Big Business (Korn) .	44 Mar.

## GENERAL

### CIRCUITS (THEORY)

Applications for Thyrite Resistors (Turner, K6AI) .....	50 Jan.
Crystal Diodes in Modern Electronics (Part 1) (Armstrong) .....	47 Oct.
Crystal Diodes in Modern Electronics (Part 2) (Armstrong) .....	66 Nov.
Crystal Diodes in Modern Electronics (Part 3) (Armstrong) .....	60 Dec.
Resistance Decade Applications (Turner, K6AI) .....	50 Mar.

### MISCELLANEOUS

A Carrier Current Transmitter (Gort) ...	39 Apr.
A Miniature Music Maker (Kirk, W6DEG) .....	57 Oct.
An Ultraviolet Probe (Atkins) .....	36 Mar.
A Six Foot Radio-Controlled Model Boat (Ford, W6YT) .....	49 July
Electronic Definitions (Bukstein) .....	108 Sept.
Light Meter for that Darkroom (Becker, S) .....	60 Aug.
Proportional Radio Control (McEntee, W2SI) .....	58 Sept.
Saturable Reactors and Control Oscillators (Bukstein) .....	42 Apr.
Servicing the 16 mm. Sound Projector (Emerson) .....	36 Jan.

### POWER SUPPLIES

Packaged Power—Economy Size (Broderon) .....	63 Dec.
Voltage Regulators (Williams, W8AME) .....	68 Sept.

### SHORT-WAVE

International Short-Wave (Boord) ...	67 Jan.
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International Short-Wave (Boord) ...	55 Mar.
International Short-Wave (Boord) ...	62 Apr.
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International Short-Wave (Boord) ...	56 June

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Quality Amplifier for TV Sound (Fleming) .....	44 May
Shooting a Close-up (Stuart).....	39 May
Summary of TV Situation Round-the-World .....	90 Nov.
TV Receiver Conversion for Velocity Modulation (Honnel & Prince)....	36 Apr.
TV Reception in Fringe Areas (Lerner) .....	48 June

#### SERVICE NOTES

Alignment Notes on TV Receivers (Ledbetter) .....	54 June
Eliminating Ignition Interference in TV Receivers (Gary).....	54 Oct.
Horizontal Pulling (Part 1) (Meagher) .....	61 Mar
Horizontal Pulling (Part 2) (Meagher) .....	50 Apr.
Improving Performance of Older TV Sets (Buchsbaum) .....	33 Jan.
Methods of Developing Sweep and Marker Generator Signals (Brown) .....	48 Aug.
New Horizontal Deflection Circuit (Seigle) .....	140 June
New TV Components.....	51 Sept.
Oscillator Radiation Interference in TV (Ledbetter) .....	66 Dec.
Servicing Intersync Circuits (Heller & Orne) .....	64 Mar.
Signal Substitution in TV Servicing (Lerner) .....	62 Aug.
Square-Wave Testing Speeds TV Servicing (Garner, Jr.).....	67 May
Television Synchronizing Circuits (Part 1) (Racker & Selvaggi).....	70 Jan.
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TV Test Equipment for Outside Service Work (Long).....	64 Sept.

#### TEST EQUIPMENT

##### AMATEUR

A Practical Crystal Noise Generator (Orr, W6SAI/FP8AC) .....	46 June
A Practical "Hamwameter" (Rogers, W1DFS) .....	52 Oct.
The "Band-Edger" (Pickett, KHBAAAD /6) .....	48 Apr.

##### AM-FM

A Practical Crystal Noise Generator (Orr, W6SAI/FP8AC) .....	46 June
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##### AUDIO

A Bridged-T Audio Oscillator (Gallagher, WSHZB) .....	62 June
A Direct Reading Electronic Audio Frequency Meter (Turner, K6AI) .....	54 Feb.
A Low Cost, Square-Wave Generator (Harris) .....	44 Jan.

##### MISCELLANEOUS

A Deluxe Pulse Generator (Garner, Jr.) .....	40 Sept.
A Deluxe Signal Tracer (Krueger) .....	64 Jan.
An A.C. Power Test Panel (Heinrich) .....	41 July
An Electronic A.C. Voltmeter (Fleming) .....	56 Feb.
An Inexpensive Electronic Switch (Arnold) .....	32 July
An Inexpensive Pulse Generator (Garner, Jr.) .....	36 Feb.
A Versatile Sweep Frequency Generator (Berler, W2EPC) .....	43 Dec.
A V-O-M and Grid-dip Oscillator (White) .....	45 Feb.
A Wide-Range Linear Sweep (Garner, Jr.) .....	62 Jan.
Clipper for Deluxe Pulse Generator (Garner, Jr.) .....	64 Oct.
Emergency Test Instrument (Orth) .....	46 May
Increasing Bandwidth of Older Oscilloscopes (Kauke) .....	104 Mar.
Novel Tester for Checking Radio Control Equipment (Dexter) .....	42 Feb.
The Pulse-Former (Garner, Jr.) .....	57 Aug.
The Versatile Crystal Probe (Frye) .....	43 Apr.

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